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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number	
Filing Date	23 March 2004
First Named Inventor	Ronald A. Schmaltz
Art Unit	
Examiner Name	
Attorney Docket Number	1993-1-5

**U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
JKE	1	US-6,361,016 B1	03-26-2002	Schulz	
JKE	2	US-6,213,140 B1	04-10-2001	Ploeger	
JKE	3	US-355,741	1-11-1887	Reinmann	
	4	US-358,026	1-11-1887	Boyden	
	5	US-1,322,421	11-18-1919	French	
	6	US-2,167,952	8-1-1939	Jordan	
	7	US-2,841,357	7-1-1958	Little	
	8	US-3,044,466	7-17-1962	Henderson	
	9	US-3,415,299	12-10-1968	Hinman, Jr. et al	
	10	US-3,931,650	1-13-1976	Miller	
	11	US-4,262,876	4-21-1981	Willatt	
	12	US-4,624,663	11-25-1986	Danby et al.	
	13	US-4,667,778	5-26-1987	Ozaki	
	14	US-4,702,733	10-27-1987	Wright et al.	
	15	US-4,878,646	11-7-1989	Edelman et al.	
	16	US-5,092,856	4-3-1992	Johnston	
	17	US-5,265,840	11-30-1993	Gillespie et al	
	18	US-5,280,938	1-25-1994	Berry	
	19	US-5,397,315	3-14-1995	Schmidt et al	
JKE	20	US-5,584,596	12-17-1996	Greene	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
JKE	21	DE 19511469	10-17-1996	Neubauer et al.		
JKE	22	WO 02/04849 A1	01-17-2002	Wataru Oue		
JKE	23	GB 646167	11-15-1950	Marshall et al.		

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JKE

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Considered

7/21/04

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Sheet 2 of 3

**Complete if Known**

Application Number	
Filing Date	23 March 2004
First Named Inventor	Ronald A. Schmaltz
Group Art Unit	
Examiner Name	
Attorney Docket Number	1993-1-5

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JKF	24	International Search Report PCT/US 03/05932	

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				Filing Date	23 March 2004
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				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	1993-1-5

[illegible][illegible]

Examiner Signature	<i>[Signature]</i>	Date Considered	7/21/04
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